AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 1. (Currently Amended) A transceiver module for use in a fiber-optic network system comprising:
 - a transceiver module casing;
 - a receiver subassembly disposed in the transceiver module casing; and
 - a transmitter optical subassembly disposed in the transceiver module casing, wherein the transmitter optical subassembly includes a header assembly having enclosed therein:
 - a thermoelectric cooler (TEC); and
 - a laser component capable of transmitting optical data a distance greater than 10 kilometers.
- 2. (Currently Amended) A transceiver module as set forth in claim 1, wherein the laser component-is optimized to operate at <u>a</u> an elevated temperature greater than 25 degrees Celsius.
- 3. (Original) A transceiver module as set forth in claim 1, further comprising a bail release coupled to an anterior end of the transceiver module casing.
- 4. (Currently Amended) A transceiver module as set forth in claim 1, wherein the transceiver module is constructed so as to comply with one or more of the Small Form-factor SFF, Small Form-factor Pluggable SFP, and 10-Gigabit Small Form-factor Pluggable XFP Multi Source Agreements.

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- 5. (Currently Amended) A transceiver module as set forth in claim 1, wherein the laser component-is an externally modulated laser and the distance is in a range of about 10 kilometers to 160 kilometers.
- 6. (Currently Amended) A transceiver module as set forth in claim 1, wherein the laser component is an externally modulated laser and the distance is in a range of 40 kilometers to 80 kilometers in a 10 Gb/s system.
- 7. (Original) A transceiver module as set forth in claim 1, wherein the transmitter optical subassembly comprises a platform having a conductive pathway extending through the platform and wherein a portion of the platform is exposed external to the transmitter optical subassembly.
- 8. (Original) A transceiver module as set forth in claim 7, wherein the conductive pathway comprises a plurality of isolated traces of a sufficient number to at least provide control signals to an integrated circuit laser driver.
- 9. (Original) A transceiver module as set forth in claim 7, wherein the conductive pathway forms a transmission line adapted to match the impedance of a component connected to a first end of the conductive pathway with a source intended to drive the component, wherein the source is indented to be connected to a second end of the conductive pathway.
- 10. (Original) A transceiver module for transmitting fiber optic data in a fiber optic system, the transceiver module comprising:
 - a transceiver module casing; and
 - a transmitter optical subassembly disposed in the transceiver module casing, wherein the transmitter optical subassembly includes a header assembly having enclosed therein:

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an externally modulated laser (EML) for transmission of optical data a distance greater than 40 kilometers; and

a thermoelectric cooler (TEC) for cooling the externally modulated laser.

- 11. (Original) A transceiver module as set forth in claim 10, wherein the distance is in a range of 40 kilometers to 160 kilometers.
- 12. (Currently Amended) A transceiver module as set forth in claim 10, wherein the externally modulated laser is optimized to operate at a an elevated temperature of about 40 degrees Celsius.